

Appendix A

Tables A-1 through A-5 identify each of the residuals-handling steps (i.e., collection, conveyance, processing, and disposal) required for each alternative, list collection and treatment locations, and describe the anticipated residuals disposal location for each alternative.

TABLE A-1
Description of Alternatives That Do Not Require Continuous Offsite Trucking from the Dalecarlia Water Treatment Plant

Location	Collection	Conveyance	Processing	Disposal
Alternative 2: Process water treatment residuals at Dalecarlia WTP and dispose in Dalecarlia monofill. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Haul dewatered residuals to Dalecarlia monofill
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Haul dewatered residuals to Dalecarlia monofill
Forebay	Collect Forebay residuals using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years
Alternative 3: Coprocess water treatment and Forebay residuals at Dalecarlia WTP and codispose in Dalecarlia monofill				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Haul dewatered residuals to Dalecarlia monofill
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Haul dewatered residuals Dalecarlia monofill
Forebay	Collect Forebay residuals using current methods	Pump residuals to Dalecarlia thickening facility along with water treatment residuals	Thicken and dewater collected residuals at Dalecarlia	Haul dewatered residuals to Dalecarlia monofill

TABLE A-1

Description of Alternatives That Do Not Require Continuous Offsite Trucking from the Dalecarlia Water Treatment Plant

Location	Collection	Conveyance	Processing	Disposal
Alternative 4: Pump unthickened water treatment residuals via Potomac Interceptor to the District of Columbia Water and Sewer Authority (DC WASA) Blue Plains Wastewater Treatment Plant. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals into the Potomac Interceptor	Process residuals at Blue Plains with raw sewage	Transport dewatered residuals for disposal per current Blue Plains methods
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals from Dalecarlia to Potomac Interceptor	Process residuals at Blue Plains with raw sewage	Transport dewatered residuals for disposal per current Blue Plains methods
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years
Alternative 5: Thicken water treatment residuals at Dalecarlia WTP, then pump via a new pipeline to DC WASA Blue Plains Wastewater Treatment Plant. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia thickening facility	Thicken collected residuals at Dalecarlia	Transport dewatered residuals for disposal per current Blue Plains methods
		Pump thickened residuals to Blue Plains via a new dual pipeline	Process thickened residuals at Blue Plains	
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia thickening facility	Thicken collected residuals at Dalecarlia	Transport dewatered residuals for disposal per current Blue Plains methods
		Pump thickened residuals to Blue Plains via a new dual pipeline	Process thickened residuals at Blue Plains	
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years

TABLE A-1

Description of Alternatives That Do Not Require Continuous Offsite Trucking from the Dalecarlia Water Treatment Plant

Location	Collection	Conveyance	Processing	Disposal
Alternative 6: Thicken water treatment residuals at Dalecarlia WTP, then transport by barge to DC WASA Blue Plains Wastewater Treatment Plant. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia thickening facility	Thicken collected residuals at Dalecarlia	Transport dewatered residuals for disposal per current Blue Plains methods
		Transport thickened residuals to Blue Plains by barge	Process thickened residuals at Blue Plains	
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia thickening facility	Thicken collected residuals at the Dalecarlia	Transport dewatered residuals for disposal per current Blue Plains methods
		Transport thickened residuals from Dalecarlia to Blue Plains by barge	Process thickened residuals at Blue Plains	
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years
Alternative 7: Thicken water treatment residuals at Dalecarlia WTP, then pump via pipeline to neighboring water utility. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia thickening facility	Thicken collected residuals at Dalecarlia	Dispose of dewatered residuals with residuals from host facility
		Pump thickened residuals to WSSC or FCWA facility	Dewater thickened residuals at WSSC or FCWA	
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia thickening facility	Thicken collected residuals at Dalecarlia	Dispose of dewatered residuals with residuals from host facility
		Pump thickened residuals from Dalecarlia to WSSC or FCWA facility	Dewater thickened residuals at WSSC or FCWA	
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years

TABLE A-1

Description of Alternatives That Do Not Require Continuous Offsite Trucking from the Dalecarlia Water Treatment Plant

Location	Collection	Conveyance	Processing	Disposal
Alternative 8: Thicken water treatment residuals at Dalecarlia WTP and pump via pipeline to new dewatering location. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from the existing sedimentation basins	Pump residuals to Dalecarlia thickening facility Pump thickened residuals to new offsite dewatering facility	Thicken the collected residuals at Dalecarlia Dewater the thickened residuals at offsite facility	Contract haul dewatered residuals to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia thickening facility Pump thickened residuals from Dalecarlia to a new dewatering facility	Thicken collected residuals at Dalecarlia facility Dewater the thickened residuals at offsite facility	Contract haul dewatered residuals to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years

TABLE A-2
Description of Alternatives With Discharge to the Potomac River

Location	Collection	Conveyance	Processing	Transport
Alternative 9: Process most WTP residuals at Dalecarlia WTP and haul offsite, but dilute some residuals for discharge back to Potomac River. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump portion of residuals to Dalecarlia thickening facility	Thicken and dewater portion of collected residuals at Dalecarlia	Contract haul dewatered residuals to a permitted offsite location
		Pump portion of residuals to Dalecarlia storage and dilution facility (10% assumed)		Discharge diluted residuals to Potomac River
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Contract haul dewatered residuals from Dalecarlia to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir	Pump residuals to Dalecarlia WTP thickening facility	Thicken and dewater collected residuals at Dalecarlia thickening facility	Haul dewatered residuals to offsite disposal facility every 7 years
Alternative 10: Renegotiate NPDES Permit to allow discharge of all residuals to Potomac River				
Dalecarlia WTP	Renegotiate NPDES Permit to discharge all water treatment residuals to the Potomac River			
Georgetown Reservoir	Renegotiate NPDES Permit to discharge all water treatment residuals to the Potomac River			
Forebay	Collect Forebay residuals from reservoir	Pump residuals to Dalecarlia WTP thickening facility	Thicken and dewater collected residuals at Dalecarlia thickening facility	Haul dewatered residuals to offsite disposal facility every 7 years

TABLE A-2
Description of Alternatives With Discharge to the Potomac River

Location	Collection	Conveyance	Processing	Transport
Alternative 11: Process water treatment residuals at Dalecarlia WTP and haul offsite. Process Forebay residuals by current methods and periodically haul. Dilute treatment side streams and discharge to the Potomac River				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump portion of residuals to Dalecarlia thickening facility	Thicken and dewater portion of collected residuals at Dalecarlia	Contract haul dewatered residuals to a permitted offsite location
		Pump thickener overflow and centrate to onsite storage and dilution facility		Discharge diluted thickener overflow and centrate to Potomac River
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Contract haul dewatered residuals from Dalecarlia to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years

TABLE A-3
Description of Alternatives Involving the Dalecarlia Reservoir

Location	Collection	Conveyance	Processing	Transport
Alternative 12: Store all residuals in the Dalecarlia Reservoir prior to processing at the Dalecarlia WTP. Coprocess Forebay and water treatment residuals. Dispose in Dalecarlia and McMillan monofills				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia Reservoir	Thicken and dewater collected residuals at Dalecarlia facility	Haul dewatered residuals to monofills on Dalecarlia and McMillan sites
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia Reservoir	Thicken and dewater collected residuals at Dalecarlia	Haul dewatered residuals to monofills on Dalecarlia and McMillan sites
McMillan WTP Facilities				Haul dewatered residuals to monofill on the McMillan site
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia facility	Haul dewatered residuals to Dalecarlia and McMillan monofills
Alternative 13: Store all residuals in the Dalecarlia Reservoir prior to processing at the Dalecarlia WTP. Coprocess Forebay and water treatment residuals and haul to offsite disposal				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia Reservoir	Thicken and dewater collected residuals at Dalecarlia facility	Haul dewatered residuals to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia Reservoir	Thicken and dewater collected residuals at Dalecarlia	Haul dewatered residuals to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Haul dewatered residuals to a permitted offsite location

TABLE A-3
Description of Alternatives Involving the Dalecarlia Reservoir

Location	Collection	Conveyance	Processing	Transport
Alternative 14: Construct new sedimentation basins at the Dalecarlia Reservoir and process all residuals at Dalecarlia WTP. Coprocess Forebay and water treatment residuals and haul to offsite disposal				
Dalecarlia WTP	Collect water treatment residuals from new sedimentation basins	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Haul dewatered residuals to a permitted offsite location
Georgetown Reservoir	Abandon Georgetown Reservoir; all coagulation to occur at Dalecarlia			
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Haul dewatered residuals to a permitted offsite location
Alternative 15: Coagulate all flow in the Dalecarlia Reservoir and process all residuals at the Dalecarlia WTP. Coprocess Forebay and water treatment residuals and haul to offsite disposal				
Dalecarlia WTP	Add Coagulant at Dalecarlia Lift Station; Coagulate in the Dalecarlia Reservoir	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Contract haul dewatered residuals to a permitted offsite location
	Dredge the Dalecarlia Reservoir			
Georgetown Reservoir	Abandon Georgetown Reservoir; all coagulation to occur at Dalecarlia			
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Contract haul dewatered residuals to permitted offsite location

TABLE A-4

Description of Alternatives with Facilities at the McMillan Water Treatment Plant

Location	Collection	Conveyance	Processing	Transport
Alternative 16: Thicken water treatment residuals at the McMillan WTP and dewater at an existing wholesale customer's treatment facility. Contract haul dewatered residuals. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to McMillan thickening facility Pump thickened residuals to Blue Plains, Arlington, or Falls Church dewatering facility	Thicken collected residuals at McMillan facility Dewater thickened residuals at Blue Plains, Arlington, or Falls Church facility	Contract haul dewatered residuals from host facility to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to McMillan thickening facility Pump thickened residuals to Blue Plains, Arlington, or Falls Church dewatering facility	Thicken collected residuals at McMillan facility Dewater thickened residuals at Blue Plains, Arlington, or Falls Church facility	Contract haul dewatered residuals from host facility to a permitted offsite location
McMillan WTP	Collect combined Dalecarlia and Georgetown Reservoir water treatment residuals	Pump residuals to McMillan thickening facility Pump thickened residuals to Blue Plains, Arlington, or Falls Church dewatering facility	Thicken collected residuals at McMillan Dewater thickened residuals at Blue Plains, Arlington, or Falls Church facility	Contract haul the dewatered residuals from host facility to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years

TABLE A-4

Description of Alternatives with Facilities at the McMillan Water Treatment Plant

Location	Collection	Conveyance	Processing	Transport
Alternative 17: Coprocess Forebay and water treatment residuals at the McMillan WTP. Dispose of residuals via contract hauling from McMillan WTP				
<i>(Same as Alternative 18 w/ coprocessing)</i>				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to McMillan thickening facility	Thicken and dewater collected residuals at McMillan	Contract haul dewatered residuals from McMillan to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to McMillan	Thicken and dewater collected residuals at McMillan	Contract haul dewatered residuals from McMillan to a permitted offsite location
McMillan WTP Facilities	N/A	Pump water treatment residuals from Dalecarlia WTP and Georgetown Reservoir to McMillan thickening facility	Thicken and dewater collected residuals at McMillan	Contract haul dewatered residuals to a permitted offsite location
Forebay	Collect water treatment residuals from reservoir using current methods	Pump Forebay residuals to McMillan thickening facility	Thicken and dewater collected residuals at McMillan	Contract haul dewatered residuals to a permitted offsite location
Alternative 18: Process water treatment residuals at the McMillan WTP and haul offsite. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to McMillan thickening facility	Thicken and dewater collected residuals at McMillan	Contract haul dewatered residuals from McMillan to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to McMillan	Thicken and dewater collected residuals at McMillan	Contract haul dewatered residuals from McMillan to a permitted offsite location
McMillan WTP Facilities	Collect Dalecarlia and Georgetown Reservoir water treatment residuals	Pump residuals to McMillan	Thicken and dewater collected residuals at McMillan	Contract haul dewatered residuals to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years

TABLE A-4

Description of Alternatives with Facilities at the McMillan Water Treatment Plant

Location	Collection	Conveyance	Processing	Transport
Alternative 19: Thicken water treatment residuals at the McMillan WTP and dewater at an existing wholesale customer's treatment facility. Dispose of residuals via contract hauling from the existing facility. Discharge Forebay residuals to the Potomac River				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to McMillan Pump thickened residuals to Blue Plains, Arlington, or Falls Church dewatering facility	Thicken collected residuals at McMillan Dewater thickened residuals at Blue Plains, Arlington, or Falls Church facility	Contract haul dewatered residuals from host facility to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to McMillan Pump thickened residuals to Blue Plains, Arlington, or Falls Church dewatering facility	Thicken collected residuals at McMillan Dewater thickened residuals at Blue Plains, Arlington, or Falls Church facility	Contract haul dewatered residuals from host facility to a permitted offsite location
McMillan WTP Facilities	Collect Dalecarlia and Georgetown Reservoir water treatment residuals	Pump residuals to McMillan Pump thickened residuals to Blue Plains, Arlington, or Falls Church dewatering facility	Thicken collected residuals at McMillan Dewater thickened residuals at Blue Plains, Arlington, or Falls Church facility	Contract haul dewatered residuals from host facility to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to Potomac River	None	None

TABLE A-4

Description of Alternatives with Facilities at the McMillan Water Treatment Plant

Location	Collection	Conveyance	Processing	Transport
Alternative 20: Thicken water treatment residuals at the Dalecarlia WTP and the Georgetown Reservoir and dewater at the McMillan WTP. Dispose of water treatment residuals via contract hauling from McMillan WTP. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia thickening facility	Thicken collected residuals at Dalecarlia facility	Contract haul dewatered residuals from McMillan to a permitted offsite location
		Pump thickened residuals to McMillan dewatering facility	Dewater thickened residuals at McMillan	
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Georgetown thickening facility	Thicken collected residuals at Georgetown	Contract haul dewatered residuals from McMillan to a permitted offsite location
		Pump thickened residuals to McMillan	Dewater thickened residuals at McMillan	
McMillan WTP Facilities	Collect thickened Dalecarlia and Georgetown Reservoir water treatment residuals	Pump residuals to McMillan	Dewater residuals at McMillan	Contract haul dewatered residuals to offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years
Alternative 21: Store residuals in lagoons at Forebay, Dalecarlia WTP, and McMillan WTP. Thicken and dewater residuals with portable equipment and dispose via contract hauling from all locations				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia storage lagoon	Thicken and dewater collected residuals at Dalecarlia with portable equipment	Contract haul dewatered residuals to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to McMillan storage lagoon	Thicken and dewater collected residuals at McMillan with portable equipment	Contract haul dewatered residuals to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to Dalecarlia storage lagoon	Thicken and dewater collected residuals at Dalecarlia with portable equipment	Contract haul dewatered residuals to a permitted offsite location

TABLE A-4

Description of Alternatives with Facilities at the McMillan Water Treatment Plant

Location	Collection	Conveyance	Processing	Transport
Alternative 22: Store water treatment residuals in Dalecarlia and Georgetown Reservoirs, prior to thickening and dewatering at the Dalecarlia and McMillan WTPs. Dispose of water treatment residuals via contract hauling from the Dalecarlia and McMillan WTPs. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Add coagulant at Dalecarlia Lift Station	Pump collected residuals to the Dalecarlia Reservoir	Thicken and dewater collected residuals at Dalecarlia	Contract haul dewatered residuals to a permitted offsite location
	Collect water treatment residuals from existing sedimentation basins	Pump dredged residuals to Dalecarlia thickening facility		
	Dredge Dalecarlia Reservoir			
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to McMillan Reservoir	Thicken and dewater dredged residuals at McMillan facility	Contract haul dewatered residuals to a permitted offsite location
McMillan WTP Facilities	Dredge the McMillan Reservoir	Pump dredged residuals to the McMillan thickening facility	Thicken and dewater dredged residuals at McMillan	Contract haul dewatered residuals to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years

TABLE A-4

Description of Alternatives with Facilities at the McMillan Water Treatment Plant

Location	Collection	Conveyance	Processing	Transport
Alternative 23: Store water treatment residuals in McMillan Reservoir prior to dewatering at the McMillan WTP. Dispose of water treatment residuals via contract hauling from the McMillan WTP. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to McMillan Reservoir	Thicken and dewater dredged residuals at McMillan facility	Contract haul dewatered residuals to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to McMillan Reservoir	Thicken and dewater dredged residuals at McMillan	Contract haul dewatered residuals to a permitted offsite location
McMillan WTP Facilities	Dredge the McMillan Reservoir	Pump dredged residuals to the McMillan thickening facility	Thicken and dewater dredged residuals at McMillan	Contract haul dewatered residuals to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years

TABLE A-5

Description of Alternatives with Facilities at the Dalecarlia Water Treatment Plant

Location	Collection	Conveyance	Processing	Transport
Alternative 24: Coprocess Forebay and water treatment residuals at Dalecarlia WTP. Dispose of residuals via contract hauling from the Dalecarlia WTP				
<i>Same as Alternative 25 w/ coprocessing</i>				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Contract haul dewatered residuals to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia	Thicken and dewater collected residuals at Dalecarlia	Contract haul dewatered residuals to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir	Pump residuals to Dalecarlia	Thicken and dewater collected residuals at Dalecarlia	Contract haul dewatered residuals to a permitted offsite location
Alternative 25: Process water treatment residuals at the Dalecarlia WTP; and dispose via contract hauling. Process Forebay residuals by current methods and periodically haul				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia thickening facility	Thicken and dewater collected residuals at Dalecarlia	Contract haul dewatered residuals to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia	Thicken and dewater collected residuals at Dalecarlia	Contract haul dewatered residuals to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir using current methods	Pump residuals to existing holding pond	Transfer residuals from holding pond to onsite drying bed	Haul dewatered residuals to offsite disposal facility every 7 years

TABLE A-5

Description of Alternatives with Facilities at the Dalecarlia Water Treatment Plant

Location	Collection	Conveyance	Processing	Transport
Alternative 26: Use plasma oven technology to process Forebay and water treatment residuals at the Dalecarlia WTP. Dispose of residuals via contract hauling from the Dalecarlia WTP				
<i>Same as Alternative 25 w/ coprocessing and plasma oven step</i>				
Dalecarlia WTP	Collect water treatment residuals from existing sedimentation basins	Pump residuals to Dalecarlia thickening/dewatering/plasma oven facility	Use plasma oven process following thickening and dewatering on collected residuals at Dalecarlia	Contract haul processed residuals to a permitted offsite location
Georgetown Reservoir	Collect water treatment residuals from reservoir	Pump residuals to Dalecarlia thickening/dewatering/plasma oven facility	Use plasma oven process following thickening and dewatering on collected residuals at Dalecarlia	Contract haul processed residuals to a permitted offsite location
Forebay	Collect Forebay residuals from reservoir	Pump residuals to Dalecarlia thickening/dewatering/plasma oven facility	Use plasma oven process following thickening and dewatering on collected residuals at Dalecarlia	Contract haul processed residuals to a permitted offsite location